

CLAIMS:

1. A secure data entry peripheral device in a computer system, said device comprising:

means for at least one of entry, collection and reading of data information;

controller means for encoding said data information for presentation to the computer system, and

means associated with said controller for processing said encoded data information by performing thereon at least one operation amongst operations including encryption, decryption, data manipulation and non-volatile storage,

said processed encoded data information providing a secure transaction when transmitted within the computer system, and when decrypted and decoded for use at a remote location.

2. The device of claim 1 configured as a secure mouse device.

3. The device of claim 1 configured as a secure mouse device wherein said processing means comprises an electronic device capable of encrypting/decrypting and storing data.

4. The device of claim 1 configured as a secure mouse device, wherein said processing means comprises an electronic device capable of encrypting/decrypting and storing data received via asynchronous communication means.

5. The device of claim 1 configured as a secure mouse device, wherein said processing means comprises an electronic device capable of encrypting/decrypting and storing data received via computer bus signals transferred through a mouse interface card.

6. The device of claim 1 configured as a secure mouse device having a mini-keypad for entry of data.

ATTN: 34-2207

PCT/IL/99/00504
IPEA/US 01 DEC 2000

7. Deleted
8. Deleted
9. Deleted
10. Deleted
11. Deleted
12. The device of claim 1 wherein said single integrated device includes an internal EEPROM memory as an integral part of said device, which stores secure information.
13. The device of claim 1 wherein said single integrated device includes secure, protected encryption keys and data as an internal and integral non-removable element.
14. The device of claim 1 wherein said single integrated device further comprises a secure command interpreter which operates to manipulate commands.
15. The device of claim 1 wherein said single integrated device is capable of preventing unauthorized use of software programs.
16. Deleted
17. Deleted
18. Deleted.
19. Deleted
20. Deleted
21. Deleted
22. A method of providing secure data entry in a computer system, said method comprising the steps of:

performing at least one of entry, collection and reading of data

information via a standard data entry device configured as a secure keyboard device;

ART 34 0001

PC1/1299/00504
1PEA/008 01 DEC 2000

encoding said data information within said standard data entry device

for presentation to the computer system, and

processing, within said standard data entry device, said encoded data information by performing thereon at least one operation amongst operations including encryption, decryption, data manipulation and non-volatile storage,

said processed encoded data information providing a secure transaction when transmitted within the computer system, and when decrypted and decoded for use at a remote location,

wherein said encoding step is performed by a keyboard encoder and said processing step is performed by an electronic device capable of encrypting/decrypting and storing data entered via said keyboard,

wherein said keyboard encoder and said electronic device comprise a single integrated device, and

wherein said single integrated device does not use removable media such as a Smartcard, security token and the like.

23. Deleted.

24. Deleted.